Geocaching Lesson Plan-April 2011

Day 1:

1. Place students in groups of 2.
2. Remind students how to use GPS GEOMATE device. They only need Latitude and Longitude.
3. Pass out Geocache GPS device, the location list, and a pencil/pen. A full page template is located on the next page. Pass out an eraser cap.
4. Students (as a pair) will go around the school area and hide the eraser cap. (Must be on the ground!). Have them write the coordinates of their eraser cap and leave it there. They must return to the designated return location within 5 minutes.
5. Go back inside and write down the coordinates of all of the erasers and have the students copy the coordinates down.
6. Have them go back outside to retrieve the other erasers before the other students do. When they locate the eraser, they can take it with them. Whichever team has the most at the end wins. (THEY CANNOT GRAB THERE OWN!)
7. Make sure GPS devices are turned off.

\*\*Review how to use the GPS device. Draw a map of the school and overlay a box around it. Explain N and W coordinates.

1. Turn on from the top button and let load until you get 3 signal bars
2. Press the right button until you get a N symbol on the bottom right corner (not the hiker, smiley face or GC symbol)
3. Press the left button to get the North and West coordinates

**Geocaching Template**

**Day 1**

|  |  |  |
| --- | --- | --- |
| Location of Spot | Latitude | Longitude |
| 1. Example: Top of slide | n 33° 02.324' | w 96° 59.944' |
| 1. My eraser’s location |  |  |
| 2. |  |  |
| 3. |  |  |
| 4. |  |  |
| 5. |  |  |
| 6. |  |  |
| 7. |  |  |
| 8. |  |  |
| 9. |  |  |